Carbon Nanotube Network

Three images of a single-wall carbon nanotube network (CNN). TOP: An atomic force microscope (AFM) topographic image of a CNN connecting two electrodes on the long sides. MIDDLE: An electric force image of the same device showing the voltage drop across the CNN. BOTTOM: Gate map of the CNN. This image shows the magnitude of the current modulation when a local gate (i.e., a biased AFM tip) scans the CNN.